

ABSTRACT

The invention relates to a method of quality assurance/quality control for high-throughput bioassay processes. The method permits monitoring of an entire system for obtaining spectral data from biological samples. Generally, the method includes generating a bioassay process model, comparing a test sample against the bioassay process model. The bioassay process model may be based on the position of a centroid in n-dimensional space. The comparing may include comparing the location of a centroid associated with the test model against the centroid associated with the control model to determine the distance between the two centroids. By generating a trend plot of the distance between the centroid associated with the test sample and the centroid associated with the control model, overall system performance may be monitored over time.

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